



PURKEYS

SELECT
Liftgate Charging
System: New Features

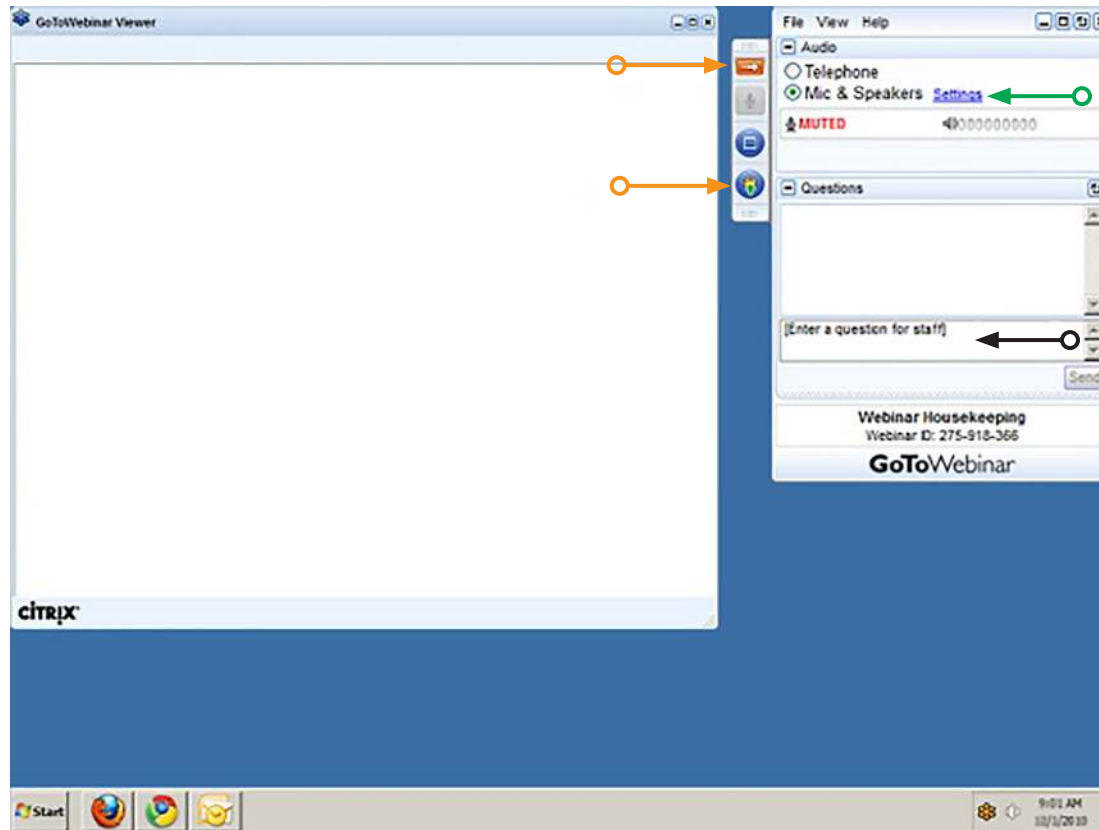
WATT Keeps You Trucking

March 30, 2017

House Cleaning

REMINDER:

This Webinar is being Recorded
Please Turn Off Cell Phones



ABOUT THE PRESENTER



Rylar Masco | OEM Representative

As the OEM Sales Representative for the Western Region, Rylar Masco's background in customer relations, sales, and marketing, along with his MBA, contribute to his expertise in leading Purkeys' efforts to maintain and expand relationships with industry OEM clients.

He represents the entire range of Purkeys products and services to the industry while ensuring that Purkeys meets the needs and expectations of its customers.

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Issues Fleets Face with Liftgate Batteries



4 Major Issues Fleets Face:

1. Liftgate batteries are usually far away from the power source, resulting in voltage drop through the cables so the power source can't apply enough voltage to properly charge the batteries
2. Vehicles aren't in operation long enough to allow the batteries to charge completely
3. Poor diagnostic procedures are used to detect defective charging systems
4. Charge sources chosen may not always be present "reefers do not operate continuously and truck not always present"

Why We Developed the SELECT

The SELECT system was developed as a result of listening to our customers and carefully reviewing their applications. What we identified:

- The electrical source chosen was not capable of independently supplying the required amperage and voltage needed by the batteries and or converter.
- Other sources were available but not being utilized
- High voltage loss due to cable/wire sizing and distance
- All sources may not always be available. i.e. Reefer-7way-Stinger



SELECT – The Basics

The SELECT can utilize a combination of multiple sources:

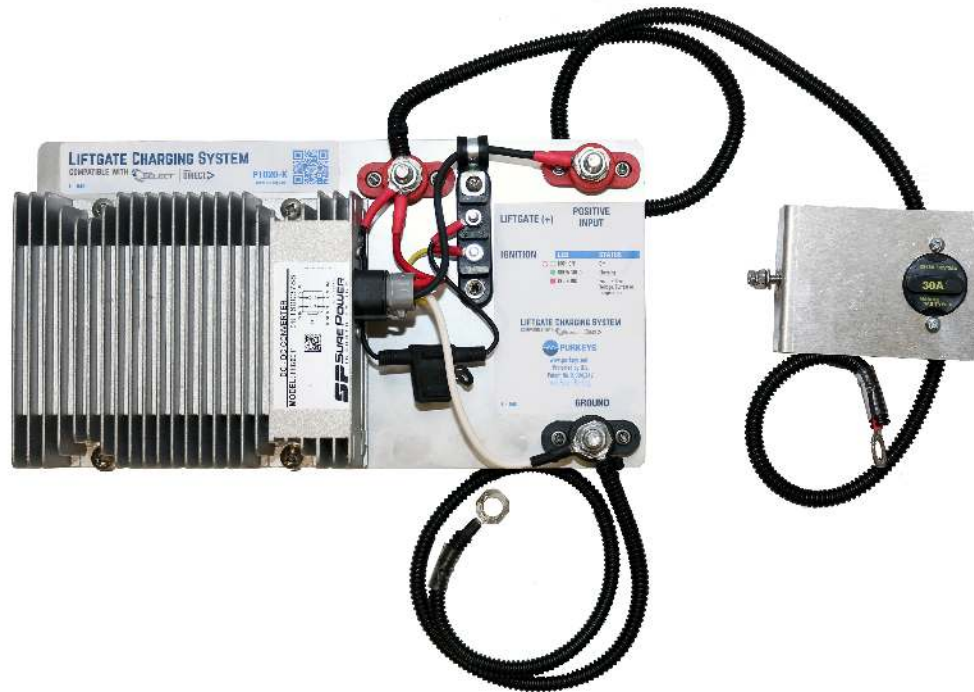
- 7-Way
- Single/Dual Pole
- Reefer



SELECT – The Basics

Inside the battery box is a plate assembly that contains the following:

- Easy connection points
- Circuit Protection
- DC/DC Converter



SELECT – The Basics

The SELECT controller indicates source and battery:

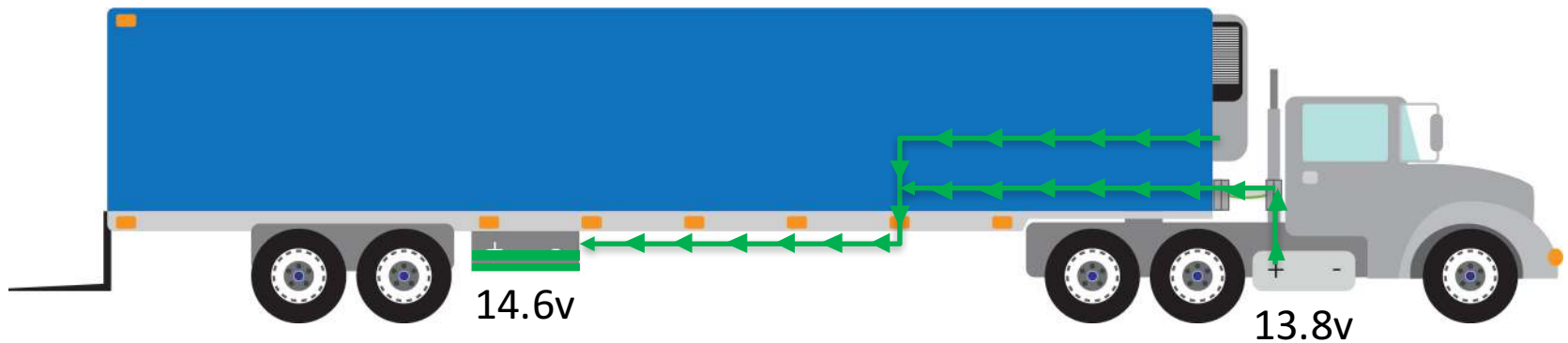
Presence-Status-Condition at all times. No volt meter or technician required it is real simple:

- Solid Green “Charging” 13.2v or greater
- Blink Green “Good Voltage” 12.4 or above
- Blink Orange “ Low voltage” 12.395 or below
- Rapid Blink Orange “Fault” Open circuit i.e. blown fuse
- NO lamp source not present



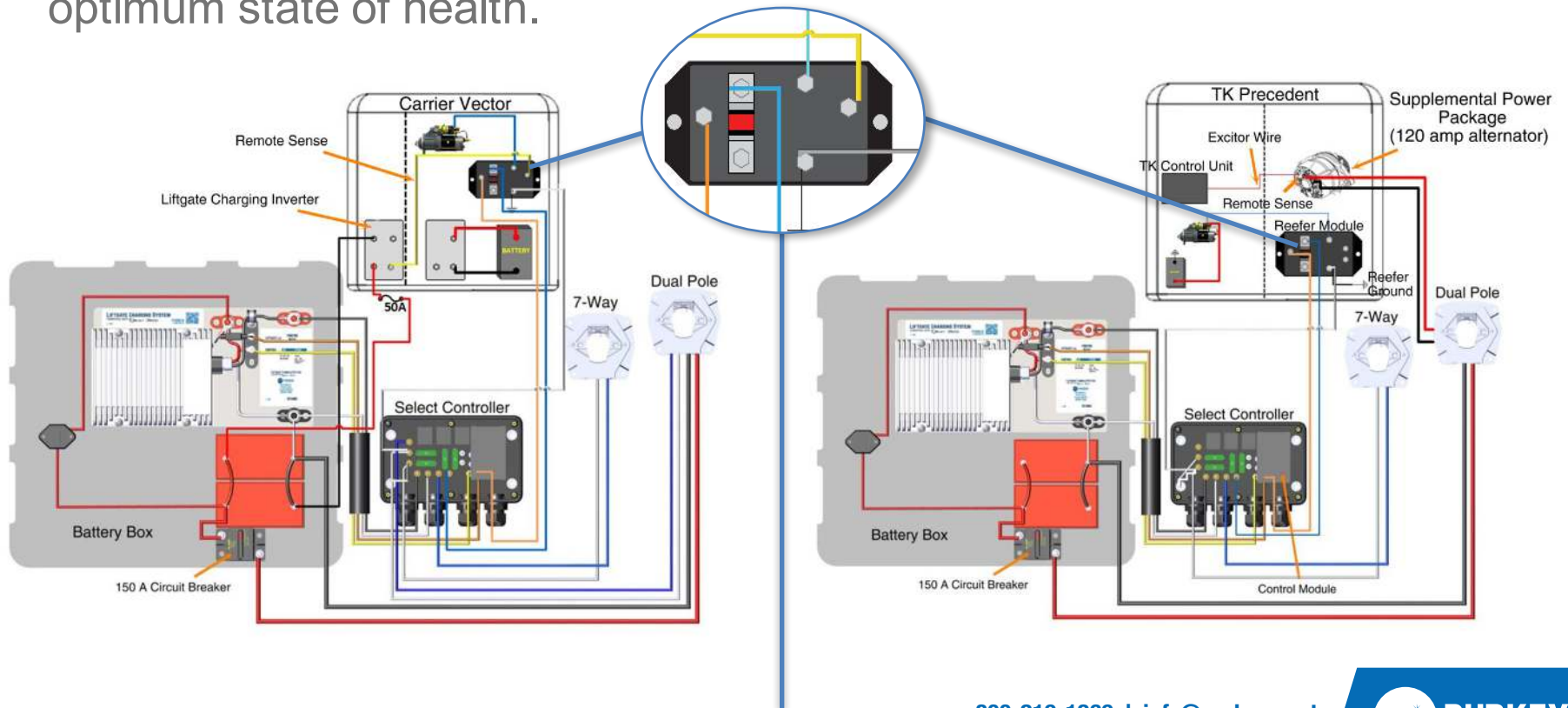
SELECT – New Features: Charge Source in Parallel

1. Dual Pole in Parallel - technology breakthrough no extra switches or relays required
2. Compatible with ALL reefer types
 - There are some 20 possible variations from TK and Carrier combined



SELECT - New Features: Reefer Harness

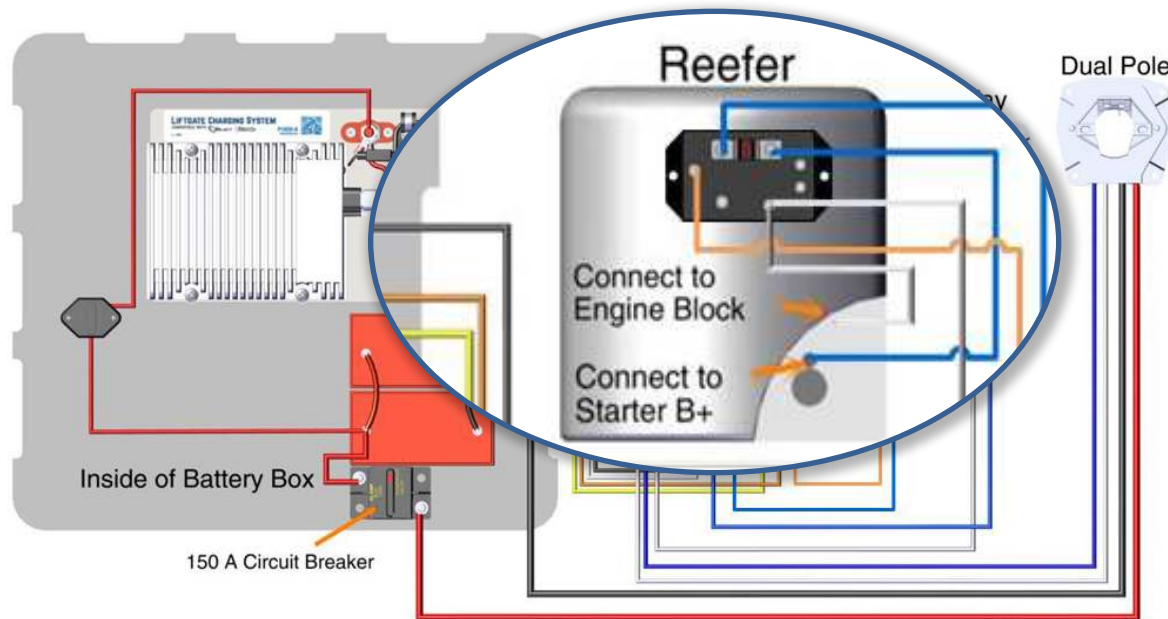
Carrier and TK have developed new reefers. Purkeys has developed harnesses and proper documentation to allow the SELECT to either utilize these as a charge source or to indicate the reefer is charging the LG batteries. In all cases, Purkeys charging system is always managing and ensuring the batteries are at an optimum state of health.



SELECT – New Features

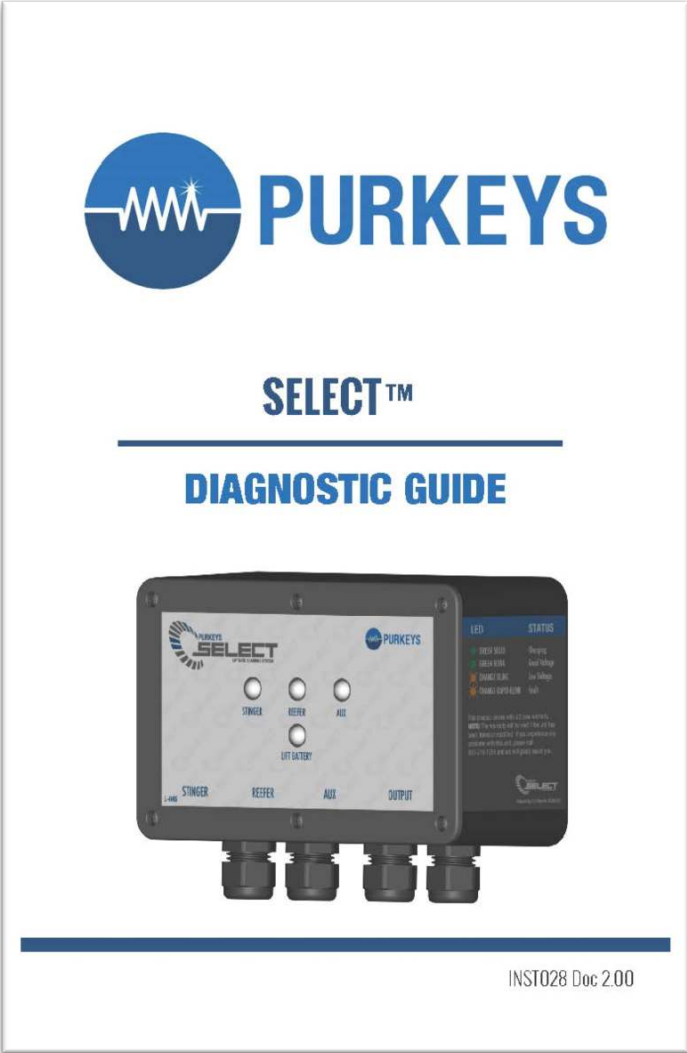
Advantages to this are:

- Dual Pole: Bulk Charge off tractor alternator
- Reefer: Bulk Charge
- Always ensures optimum voltage is present for battery overcoming all voltage drops from all sources
- Limits and isolates extreme electrical loading from new style reefer AC-DC chargers
- Also reverse compatible with all legacy reefer units



SELECT - New Features

New and updated documentation for installers and users.



Tech Support – Contact Info

If you have questions about installation and troubleshooting:

Jimmy Fielding
479-419-4800

Charley Gipe
479-419-4800

Sales – Contact Info

If you would like to know more about this product:

Find a rep in your area by OEM or After Market, or Request a Quote by going to our website: <http://purkeys.net/contact/>

Questions & Answers

Thank you!